



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 10631248
SAU: Glenburn School Department
School: Glenburn Elementary School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9
Science Results	10-12

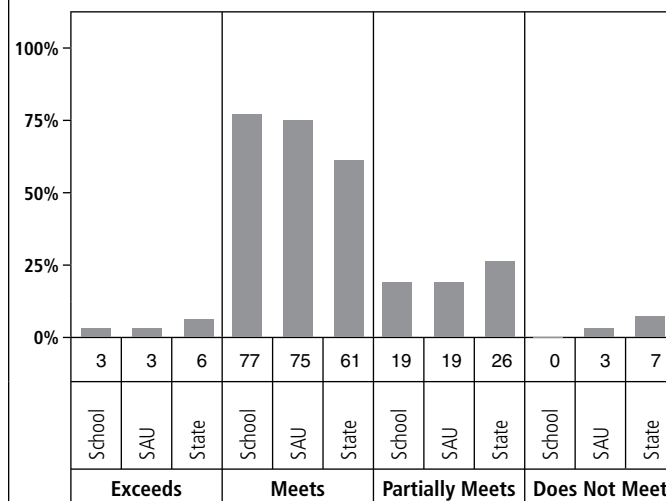
SUMMARY OF SCORES

Test Date: March 2009
 Grade: 5
 SAU: Glenburn School Department
 School: Glenburn Elementary School

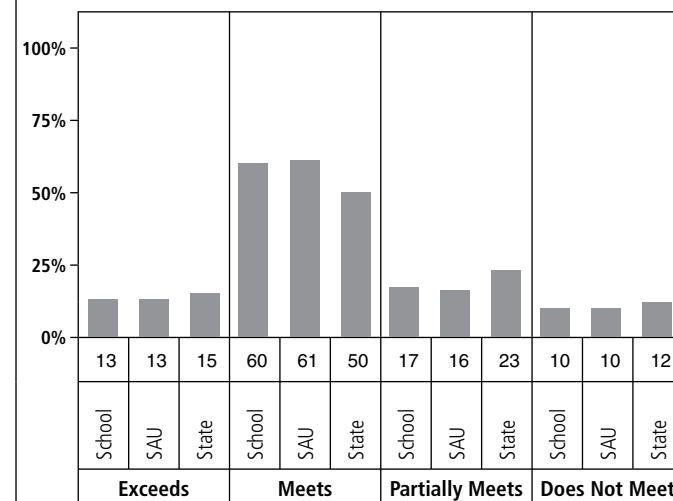
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	547	547	544
2007–2008	542	543	545
2008–2009	547	547	546
Cum. Avg.*	545	546	545
Mathematics			
2006–2007	552	552	546
2007–2008	542	542	546
2008–2009	549	549	547
Cum. Avg.*	548	548	546
Science			
2008–2009 **	546	546	543

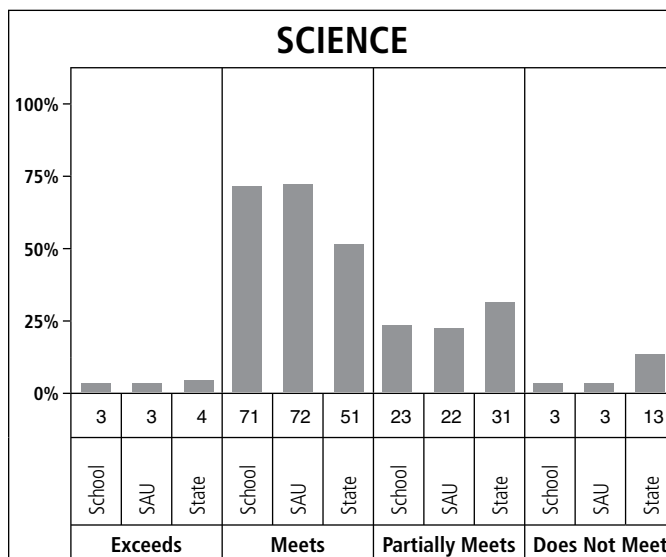
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: Glenburn School Department
School: Glenburn Elementary School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Total number of students	32	100	33	100	14212	100	31	97	32	97	14135	100	30	94	31	94	14144	100	31	97	32	97	14137	100
Ethnicity African American/Black	0	0	0	0	397	3	0	0	0	0	388	98	0	0	0	0	393	99	0	0	0	0	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	1	3	1	3	259	2	1	100	1	100	253	98	1	100	1	100	258	100	1	100	1	100	257	99
Hispanic	2	6	2	6	175	1	2	100	2	100	172	99	2	100	2	100	172	99	2	100	2	100	173	99
Caucasian/White	29	91	30	91	13271	93	28	97	29	97	13212	100	27	93	28	93	13211	100	28	97	29	97	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	3	9	4	12	2479	17	3	100	4	100	2454	100	3	100	4	100	2455	100	3	100	4	100	2451	99
Current LEP	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
Economically disadvantaged	9	28	9	27	5848	41	9	100	9	100	5815	100	8	89	8	89	5819	100	9	100	9	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Participation without accommodations	27	84	27	82	10849	76	27	84	27	82	10872	76	28	88	28	85	10976	77
Identified disability (PET/IEP)	0	0	0	0	298	3	0	0	0	0	307	3	0	0	0	0	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	1	4	1	4	123	1	1	4	1	4	121	1	1	4	1	4	126	1
Participation with accommodations	4	13	5	15	3122	22	3	9	4	12	3124	22	3	9	4	12	3019	21
Identified disability (PET/IEP)	3	75	4	80	1992	64	3	100	4	100	2000	64	3	100	4	100	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	1	25	1	20	907	29	0	0	0	0	886	28	0	0	0	0	826	27
Participation through alternate assessment (PAAP)	0	0	0	0	164	1	0	0	0	0	148	1	0	0	0	0	142	1
Identified disability (PET/IEP)	0	0	0	0	164	100	0	0	0	0	148	100	0	0	0	0	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	1	3	1	3	58	0	2	6	2	6	49	0	1	3	1	3	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: Glenburn School Department
School: Glenburn Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	5	10	5	10	702	5
	2007-2008	0	0	0	0	659	5
	2008-2009	1	3	1	3	836	6
	Cum. Total*	6	5	6	5	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	31	62	31	62	7730	55
	2007-2008	18	47	20	50	8195	58
	2008-2009	24	77	24	75	8495	61
	Cum. Total*	73	61	75	61	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	10	20	10	20	4182	30
	2007-2008	16	42	16	40	3800	27
	2008-2009	6	19	6	19	3667	26
	Cum. Total*	32	27	32	26	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	4	8	4	8	1419	10
	2007-2008	4	11	4	10	1362	10
	2008-2009	0	0	1	3	973	7
	Cum. Total*	8	7	9	7	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	32.4	67.5	31.9	66.5	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	15.2	63.3	14.9	62.1	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	17.2	71.7	17.0	70.8	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Glenburn School Department
 School: Glenburn Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	31	1	3	24	77	6	19	0	0	547	32	3	75	19	3	547	13971	6	61	26	7	546
Ethnicity																						
African American/Black	0										0						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	1										1						252	11	58	21	11	547
Hispanic	2										2						166	4	54	32	10	543
Caucasian/White	28	1	4	21	75	6	21	0	0	547	29	3	72	21	3	546	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	3										4						2290	0	29	47	23	537
No	28	1	4	22	79	5	18	0	0	547	28	4	79	18	0	547	11681	7	67	22	4	548
Current LEP																						
Yes	0										0						354	1	35	34	30	538
No	31	1	3	24	77	6	19	0	0	547	32	3	75	19	3	547	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	9	0	0	5	56	4	44	0	0	544	9	0	56	44	0	544	5716	2	51	35	12	542
No	22	1	5	19	86	2	9	0	0	548	23	4	83	9	4	547	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	31	1	3	24	77	6	19	0	0	547	32	3	75	19	3	547	13963	6	61	26	7	546
Gender																						
Female	14	1	7	10	71	3	21	0	0	548	14	7	71	21	0	548	6882	8	62	24	6	547
Male	17	0	0	14	82	3	18	0	0	546	18	0	78	17	6	546	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										4						1914	1	41	44	14	540
No	28	1	4	24	86	3	11	0	0	548	28	4	86	11	0	548	12057	7	64	23	6	547
Gifted/talented program																						
Yes	0										0						450	26	72	2	0	557
No	31	1	3	24	77	6	19	0	0	547	32	3	75	19	3	547	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 5
 SAU: Glenburn School Department
 School: Glenburn Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	3	0	0	0	0	1	100	0	0	538	3	0	0	100	0	538	4	2	40	34	24	540
B. less than one hour	87	1	4	21	81	4	15	0	0	548	87	4	81	15	0	548	70	6	63	26	6	546
C. one to two hours	7	0	0	1	50	1	50	0	0	542	7	0	50	50	0	542	24	7	61	26	6	546
D. more than two hours	3	0	0	1	100	0	0	0	0	542	3	0	100	0	0	542	2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	20	0	0	5	83	1	17	0	0	547	20	0	83	17	0	547	36	10	67	18	5	549
B. good	77	1	4	18	78	4	17	0	0	548	77	4	78	17	0	548	47	5	62	27	6	546
C. fair	3	0	0	0	0	1	100	0	0	540	3	0	0	100	0	540	15	2	47	40	12	541
D. poor	0										0						2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	47	1	7	10	71	3	21	0	0	548	47	7	71	21	0	548	31	9	65	20	5	548
B. They match some of what I have learned.	43	0	0	11	85	2	15	0	0	547	43	0	85	15	0	547	55	5	63	27	5	546
C. They match just a little of what I have learned.	10	0	0	2	67	1	33	0	0	543	10	0	67	33	0	543	10	3	45	38	14	542
D. There is no match.	0										0						3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	13	0	0	2	50	2	50	0	0	543	13	0	50	50	0	543	16	3	49	32	15	542
B. about the same as my regular schoolwork	67	1	5	15	75	4	20	0	0	548	67	5	75	20	0	548	64	7	63	25	5	547
C. easier than my regular schoolwork	20	0	0	6	100	0	0	0	0	547	20	0	100	0	0	547	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	7	0	0	1	50	1	50	0	0	544	7	0	50	50	0	544	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	59	1	6	14	82	2	12	0	0	548	59	6	82	12	0	548	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	34	0	0	7	70	3	30	0	0	546	34	0	70	30	0	546	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	7	0	0	1	50	1	50	0	0	542	7	0	50	50	0	542	20	10	64	21	5	548
B. 20 minutes to an hour	60	0	0	15	83	3	17	0	0	547	60	0	83	17	0	547	56	7	65	24	5	547
C. less than 20 minutes	27	1	13	7	88	0	0	0	0	551	27	13	88	0	0	551	10	3	52	33	12	543
D. I rarely read at home.	7	0	0	0	0	2	100	0	0	539	7	0	0	100	0	539	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	38	1	9	8	73	2	18	0	0	548	38	9	73	18	0	548	25	3	53	33	11	543
B. six to ten pages	28	0	0	8	100	0	0	0	0	548	28	0	100	0	0	548	26	6	61	26	7	546
C. eleven or more pages	34	0	0	7	70	3	30	0	0	547	34	0	70	30	0	547	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: Glenburn School Department
School: Glenburn Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	10	20	10	20	1711	12
	2007-2008	2	5	3	8	1617	12
	2008-2009	4	13	4	13	2119	15
	Cum. Total*	16	14	17	14	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	29	58	29	58	6778	48
	2007-2008	18	47	19	48	7284	52
	2008-2009	18	60	19	61	7046	50
	Cum. Total*	65	55	67	55	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	9	18	9	18	3884	28
	2007-2008	12	32	12	30	3341	24
	2008-2009	5	17	5	16	3193	23
	Cum. Total*	26	22	26	21	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	2	4	2	4	1683	12
	2007-2008	6	16	6	15	1778	13
	2008-2009	3	10	3	10	1638	12
	Cum. Total*	11	9	11	9	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	27.1	56.5	27.0	56.3	25.5	53.1
A. Number	18	38	10.5	58.3	10.4	57.8	9.8	54.4
B. Data	10	21	5.6	56.0	5.6	56.0	5.2	52.0
C. Geometry	10	21	5.1	51.0	5.0	50.0	4.7	47.0
D. Algebra	10	21	6.0	60.0	6.0	60.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Glenburn School Department
 School: Glenburn Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	30	4	13	18	60	5	17	3	10	549	31	13	61	16	10	549	13996	15	50	23	12	547
Ethnicity																						
African American/Black	0										0						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	1										1						257	19	50	20	12	548
Hispanic	2										2						166	9	43	31	17	543
Caucasian/White	27	4	15	15	56	5	19	3	11	549	28	14	57	18	11	548	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	3										4						2307	3	32	32	33	536
No	27	4	15	17	63	4	15	2	7	550	27	15	63	15	7	550	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	30	4	13	18	60	5	17	3	10	549	31	13	61	16	10	549	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	8	0	0	4	50	1	13	3	38	543	8	0	50	13	38	543	5731	7	46	29	18	542
No	22	4	18	14	64	4	18	0	0	552	23	17	65	17	0	552	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	30	4	13	18	60	5	17	3	10	549	31	13	61	16	10	549	13988	15	50	23	12	547
Gender																						
Female	14	2	14	8	57	3	21	1	7	549	14	14	57	21	7	549	6889	14	51	23	12	546
Male	16	2	13	10	63	2	13	2	13	550	17	12	65	12	12	550	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										4						1918	3	39	36	22	539
No	27	4	15	18	67	4	15	1	4	551	27	15	67	15	4	551	12078	17	52	21	10	548
Gifted/talented program																						
Yes	0										0						450	64	34	2	0	564
No	30	4	13	18	60	5	17	3	10	549	31	13	61	16	10	549	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: Glenburn School Department
School: Glenburn Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	3	0	0	0	0	0	0	1	100	524	3	0	0	0	100	524	4	8	38	26	28	539
B. less than one hour	87	4	15	16	62	4	15	2	8	551	87	15	62	15	8	551	70	15	52	23	10	547
C. one to two hours	7	0	0	1	50	1	50	0	0	537	7	0	50	50	0	537	24	15	51	23	11	547
D. more than two hours	3	0	0	1	100	0	0	0	0	546	3	0	100	0	0	546	2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	27	3	38	4	50	1	13	0	0	558	27	38	50	13	0	558	34	28	50	14	8	552
B. good	50	1	7	11	73	2	13	1	7	549	50	7	73	13	7	549	45	11	54	24	10	546
C. fair	23	0	0	3	43	2	29	2	29	541	23	0	43	29	29	541	18	3	45	33	19	540
D. poor	0										0						3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	47	4	29	5	36	4	29	1	7	550	47	29	36	29	7	550	38	22	52	19	7	550
B. They match some of what I have learned.	43	0	0	13	100	0	0	0	0	553	43	0	100	0	0	553	48	12	53	24	11	546
C. They match just a little of what I have learned.	7	0	0	0	0	0	0	2	100	525	7	0	0	0	100	525	11	6	40	30	24	540
D. There is no match.	3	0	0	0	0	1	100	0	0	540	3	0	0	100	0	540	3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	23	0	0	6	86	0	0	1	14	549	23	0	86	0	14	549	17	7	42	30	21	540
B. about the same as my regular schoolwork	67	3	15	11	55	4	20	2	10	549	67	15	55	20	10	549	64	15	53	23	10	547
C. easier than my regular schoolwork	10	1	33	1	33	1	33	0	0	555	10	33	33	33	0	555	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	7	0	0	2	100	0	0	0	0	555	7	0	100	0	0	555	7	6	39	27	27	539
B. 30–45 minutes	57	1	6	10	59	5	29	1	6	547	57	6	59	29	6	547	28	9	49	28	15	544
C. 45–60 minutes	30	2	22	5	56	0	0	2	22	550	30	22	56	0	22	550	41	17	53	21	9	548
D. more than 60 minutes	7	1	50	1	50	0	0	0	0	562	7	50	50	0	0	562	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	3	0	0	0	0	1	100	0	0	532	3	0	0	100	0	532	6	14	43	24	20	543
B. two or three days a week	37	1	9	7	64	3	27	0	0	549	37	9	64	27	0	549	24	17	52	21	10	548
C. two or three times each month	30	2	22	5	56	1	11	1	11	551	30	22	56	11	11	551	33	17	52	21	9	548
D. never or almost never	30	1	11	6	67	0	0	2	22	550	30	11	67	0	22	550	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	17	1	20	2	40	1	20	1	20	547	17	20	40	20	20	547	23	13	47	26	15	545
B. two or three days a week	30	1	11	5	56	2	22	1	11	549	30	11	56	22	11	549	31	17	52	21	10	548
C. two or three times each month	10	1	33	2	67	0	0	0	0	556	10	33	67	0	0	556	27	17	52	21	10	548
D. never or almost never	43	1	8	9	69	2	15	1	8	549	43	8	69	15	8	549	20	12	50	24	14	545
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: Glenburn School Department
School: Glenburn Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	1	3	1	3	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	22	71	23	72	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	7	23	7	22	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	1	3	1	3	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	31.2	65.0	31.2	65.0	29.2	60.8
D. The Physical Setting	24	50	13.9	57.9	13.8	57.5	12.9	53.8
E. The Living Environment	24	50	17.3	72.1	17.3	72.1	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Glenburn School Department
 School: Glenburn Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	31	1	3	22	71	7	23	1	3	546	32	3	72	22	3	546	13995	4	51	31	13	543
Ethnicity																						
African American/Black	0										0						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	1										1						256	5	51	27	17	542
Hispanic	2										2						167	1	40	37	22	539
Caucasian/White	28	1	4	19	68	7	25	1	4	546	29	3	69	24	3	546	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	3										4						2309	2	29	39	29	536
No	28	1	4	20	71	6	21	1	4	547	28	4	71	21	4	547	11686	5	56	30	10	545
Current LEP																						
Yes	0										0						361	1	23	32	44	533
No	31	1	3	22	71	7	23	1	3	546	32	3	72	22	3	546	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	9	0	0	5	56	3	33	1	11	541	9	0	56	33	11	541	5729	2	42	37	20	539
No	22	1	5	17	77	4	18	0	0	548	23	4	78	17	0	548	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	31	1	3	22	71	7	23	1	3	546	32	3	72	22	3	546	13987	4	51	31	13	543
Gender																						
Female	14	0	0	11	79	3	21	0	0	547	14	0	79	21	0	547	6886	4	49	33	14	542
Male	17	1	6	11	65	4	24	1	6	546	18	6	67	22	6	546	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										4						1917	1	31	41	28	536
No	28	1	4	21	75	6	21	0	0	547	28	4	75	21	0	547	12078	5	55	30	11	544
Gifted/talented program																						
Yes	0										0						450	25	72	2	1	557
No	31	1	3	22	71	7	23	1	3	546	32	3	72	22	3	546	13545	4	51	32	13	543

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 5
 SAU: Glenburn School Department
 School: Glenburn Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	3	0	0	0	0	1	100	0	0	532	3	0	0	100	0	532	4	2	37	35	25	538
B. less than one hour	87	1	4	19	73	5	19	1	4	547	87	4	73	19	4	547	70	4	53	31	12	544
C. one to two hours	7	0	0	1	50	1	50	0	0	539	7	0	50	50	0	539	24	5	51	31	12	544
D. more than two hours	3	0	0	1	100	0	0	0	0	548	3	0	100	0	0	548	2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	24	1	14	5	71	1	14	0	0	551	24	14	71	14	0	551	26	7	56	26	11	545
B. good	52	0	0	9	60	5	33	1	7	544	52	0	60	33	7	544	53	4	53	31	11	544
C. fair	21	0	0	5	83	1	17	0	0	545	21	0	83	17	0	545	18	2	41	39	17	540
D. poor	3	0	0	1	100	0	0	0	0	544	3	0	100	0	0	544	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	28	0	0	7	88	1	13	0	0	547	28	0	88	13	0	547	23	5	56	28	11	544
B. They match some of what I have learned.	48	1	7	9	64	3	21	1	7	546	48	7	64	21	7	546	48	5	52	31	12	544
C. They match just a little of what I have learned.	21	0	0	4	67	2	33	0	0	547	21	0	67	33	0	547	23	4	49	33	14	543
D. There is no match.	3	0	0	0	0	1	100	0	0	532	3	0	0	100	0	532	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	11	0	0	1	33	1	33	1	33	534	11	0	33	33	33	534	23	5	48	31	16	543
B. about the same as my regular schoolwork	68	0	0	13	68	6	32	0	0	547	68	0	68	32	0	547	58	4	52	32	12	543
C. easier than my regular schoolwork	21	1	17	5	83	0	0	0	0	549	21	17	83	0	0	549	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	0										0						33	5	51	31	14	543
B. a few times a week	45	0	0	11	85	2	15	0	0	548	45	0	85	15	0	548	45	4	52	32	11	544
C. once a week	7	1	50	0	0	0	0	1	50	543	7	50	0	0	50	543	8	4	50	30	16	542
D. a few times a month	48	0	0	9	64	5	36	0	0	545	48	0	64	36	0	545	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	55	1	6	13	81	2	13	0	0	549	55	6	81	13	0	549	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	17	0	0	1	20	3	60	1	20	536	17	0	20	60	20	536	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	14	0	0	4	100	0	0	0	0	551	14	0	100	0	0	551	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	14	0	0	2	50	2	50	0	0	543	14	0	50	50	0	543	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	17	1	20	3	60	0	0	1	20	547	17	20	60	0	20	547	47	4	51	32	12	543
B. a few times a month	14	0	0	2	50	2	50	0	0	541	14	0	50	50	0	541	27	5	54	30	11	544
C. once a month	17	0	0	3	60	2	40	0	0	545	17	0	60	40	0	545	10	5	49	30	15	543
D. never or almost never	52	0	0	12	80	3	20	0	0	547	52	0	80	20	0	547	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	3	0	0	0	0	1	100	0	0	534	3	0	0	100	0	534	46	4	52	32	12	543
B. a few times a month	17	1	20	2	40	1	20	1	20	544	17	20	40	20	20	544	28	5	53	30	12	544
C. once a month	21	0	0	3	50	3	50	0	0	542	21	0	50	50	0	542	11	4	47	34	15	542
D. never or almost never	59	0	0	15	88	2	12	0	0	549	59	0	88	12	0	549	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number